Philips 8000 series
Smart LED TV with
Ambilight Spectra 2 and
Perfect Pixel HD

**117 cm (46")**
Full HD 3D Max DVB-T/C

**46PFL8606H**

# Refined living, pure performance

## with Ambilight and Smart TV

The thin 8000 series LED TV combines the award winning Perfect Pixel HD engine, Ambilight and 3D Max for a truly immersive movie experience. Share & enrich this experience as Smart TV puts your living room in the center of the online world.

### Intensify your viewing experience
- Ambilight Spectra 2 sided intensifies the experience
- 3D Max for a truly immersive Full HD 3D experience

### Breathtaking perfect pictures and Sound
- Full HDTV and Perfect Pixel HD Engine for unrivalled clarity
- Brilliant LED images with low power consumption
- 800Hz Perfect Motion Rate (PMR) for superb motion sharpness
- 28W SoundStage for dynamic powerful sound in a ultra slim TV

### Enjoy the online world with Smart TV
- A wealth of online apps, videos to rent and catch-up TV
- Control the TV with your smart phone, tablet or keyboard
- Enjoy photos, music and movies from any device on your TV
- Record or pause your program easily
- Integrated Wi-Fi to use Net TV apps and SimplyShare wireless

SmartTV

A+ Energy Label

PHILIPS
sense and simplicity

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# Highlights

## Ambilight Spectra 2

Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen by projecting a glow of light, on the 2 sides of the TV, from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light to match the picture, creating an immersive viewing experience. The wall adaptive function ensures that the color of the light always matches the picture, no matter what the color of your wall is. Get the bigger picture with Ambilight.

## 3D Max

Be enthralled by 3D movies in your own living room with the 3D Max. The combination of the fast display and Active shutter glasses bring real life depth in Full HD resolution. Now all 2D content can be experienced in 3D and you can even control the depth of the 3D to your liking. Your TV is ready for the 3D Max experience by adding the 3D Max glasses PTA516 and a 3D compatible BluRay player (Accessory Philips PTA516 sold separately).

## Perfect Pixel HD

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, for a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors, superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artifact and noise detection and reduction in all content sources - from multimedia to standard TV. The Full HD screen with 1920 x 1080p pixels produces brilliant flicker-free progressive scan pictures with superb brightness.

## Full HD LED TV

LED lighting technology is the most advanced available. In this Full HD LED TV it combines an eyecatching minimalistic design with stunning image quality and on top the lowest power consumption in its category. An other environmental benefit is that LED lighting technology does not contain hazardous materials. With LED backlight you can enjoy low power consumption, high brightness, incredible contrast and sharpness and vibrant colors.

## 800Hz Perfect Motion Rate

800Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action movies. The new Philips PMR standard shows the combined visible effect of the fastest panel refresh rate, Perfect Natural Motion and unique processing formula, for unprecedented motion sharpness

## 28W RMS SoundStage

Philips SoundStage with 28W RMS output power has far more dynamism and power than anything heard on LCD TVs today. Now we can combine an ultra thin design with powerful TV sound. The TV stand houses an advanced ultra-thin speaker system. It combines deep, warm bass with excellent clarity. Also in wallmount position you can enjoy the excellent sound experience, thanks to advanced processing corrections. Enjoy great sound and a thin design.

SmartTV

## Smart TV

Smart TV for an easier & wireless TV experience in 4 areas. Net TV lets you enjoy a wealth of online apps on your TV: rent movies, watch cat-up TV and enjoy social media. Stay in Control: change channels or enter text using your Smartphone or tablet. Use SimplyShare to enjoy photos, music and video from your computer, phone & tablet on your TV. Watch your favorite Program whenever you want: our program guide helps you with Smart USB recording.

A+ Energy Label

## Energy Class A+

For many years Philips has pro-actively been working on the reduction of both on-mode and standby power consumption of its televisions and as a result most Philips televisions has achieved green EU energy labels in 2010. The greener the label, the lower the on-mode power consumption and the lower your energy bill and friendlier to the environment.

ambi light
Perfect Pixel HD ENGINE
3D MAX
Full HD LED
800 Hz Perfect Motion Rate
Net TV
SimplyShare
DVB C T CABLE / TERRESTRIAL
Wi Fi
USB recording

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# Specifications

## Ambilight
- Ambilight Version: 2 sided
- Ambilight Features: Wall colour adaptive, Lounge light mode

## Picture/Display
- Display: LED Full HD, edge LED backlight
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920x1080p
- 3D: 3D Max*
- Aspect ratio: 16:9
- Brightness: 450 cd/m²
- Peak Luminance ratio: 65 %
- Dynamic screen contrast: 500.000:1
- Response time (typical): 1 ms
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, ISF image calibration, Active Control + Light sensor, Wide Color Gamut display, Super Resolution, Perfect Colors, Perfect Contrast, Scanning backlight, 800 Hz Perfect Motion Rate

## Sound
- Output power (RMS): 28W (2 x 14W)
- Sound Enhancement: Auto Volume Leveller, Clear Sound, Incredible Surround, Treble and Bass Control
- Loudspeaker types: Soundstage stand enclosure

## Smart TV Applications
- Control: MyRemote app (iOS & Android), USB Keyboard & Mouse support
- SimplyShare: DLNA media browser, USB media browser, WiFi MediaConnect*
- Net TV: Catch-up TV, Online Video stores, Open Internet browser, Online apps
- Program: Pause TV, USB recording

## Connectivity
- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug & play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 2
- Other connections: Antenna IEC75, Common Interface Plus (CI+), Ethernet-LAN RJ-45, SD card slot (Videostore), Digital audio out (optical), PC-in VGA + Audio L/R in, Headphone out, Service connector
- Wireless connections: WiFi Certified

## Multimedia Applications
- Video Playback Formats: Codec support:, Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1
- Music Playback Formats: AAC, MP3, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG
- Net TV: Included

## Supported Display Resolution
- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: 24, 25, 30, 50, 60 Hz, up to 1920x1080p

## Convenience
- PC network link: DLNA 1.5 certified
- Electronic Program Guide: 8day Electronic Program Guide*
- Ease of Installation: Auto detect Philips devices, Channel installation wizard, Device connection wizard, Network installation wizard, Settings assistant wizard, 2-in-1 Wallmount Stand
- Ease of Use: One-stop Home button, Onscreen Usermanual, Touch control buttons
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Signal strength indication
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

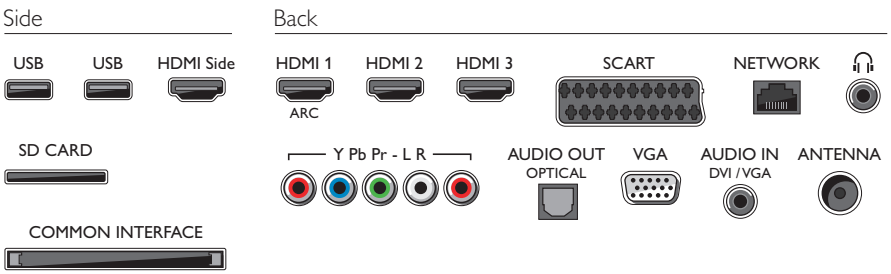
## Tuner/Reception/Transmission
- Digital TV: DVB-C MPEG2*, DVB-C MPEG4*, DVB-T MPEG2*, DVB-T MPEG4*
- Video Playback: NTSC, PAL, SECAM

## Power
- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Energy Label Class: A+
- Eu Energy Label power: 64 W
- Annual energy consumption: 89 kW h
- Standby power consumption: <0.15 W
- Off mode power consumption: < 0.01 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Presence of lead: Yes*

## Dimensions
- Set dimensions (W x H x D): 1088 x 662 x 33 mm
- Set dimensions with stand (W x H x D): 1088 x 716 x 244 mm
- Product weight: 23 kg
- Product weight (+stand): 26 kg
- Compatible wall mount: adjustable 300 x 200mm

## Accessories
- Included accessories: Power cord, Remote Control, 2x battery CR2032, Tabletop swivel stand, Quick start guide, Legal and safety brochure, Wi-Fi MediaConnect CD, Wall mounting bracket
- Optional accessories: 3DMax Glasses PTA516 (Active)

## Connections




* 3D TV requires Accessory PTA516 (Active shutter glasses), a 3D compatible source device, and 3D source material.
* Net TV: Visit www.philips.com/tv to discover the services offering in your country.
* Wi-Fi Media connect: The playback of video can be affected by your PC speed and Wi-Fi bandwidth. For minimum and recommended system requirements go to www.philips.com/wifimediaconnect. Displays content with a delay of some seconds. Small differences of image and sound can occur.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* 8 days EPG, service not available in all countries
* USB recording only for digital channels covered by the TV IP bases Electronic Programme Guide (country and channel restrictions may apply), recordings may be limited by broadcast copy protection (CI+). An internet connection is required.
* Annual energy consumption is calculated using the typical power consumption 4 hours per day, 365 days per year.
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.
* ISF and IMAGING SCIENCE FOUNDATION are Trade Marks owned by Isf Research Labs Llc Limited Liability Company

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